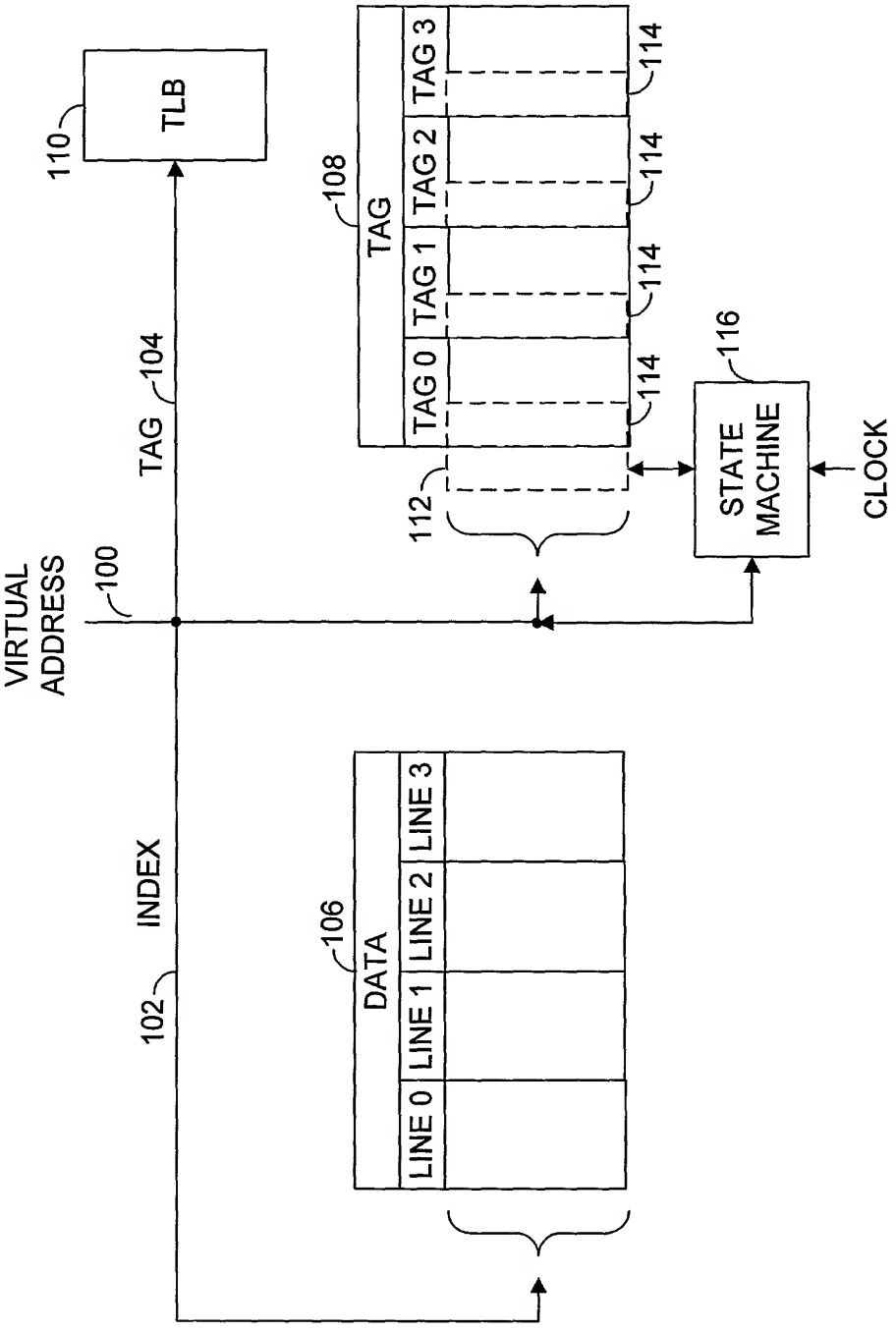
VIRTUAL ADDRESS
100
INDEX
102
TAG
104
TLB
110
DATA
106
LINE 0
LINE 1
LINE 2
LINE 3
TAG
108
TAG 0
TAG 1
TAG 2
TAG 3
114
112
STATE MACHINE
116
CLOCK

FIG. 1

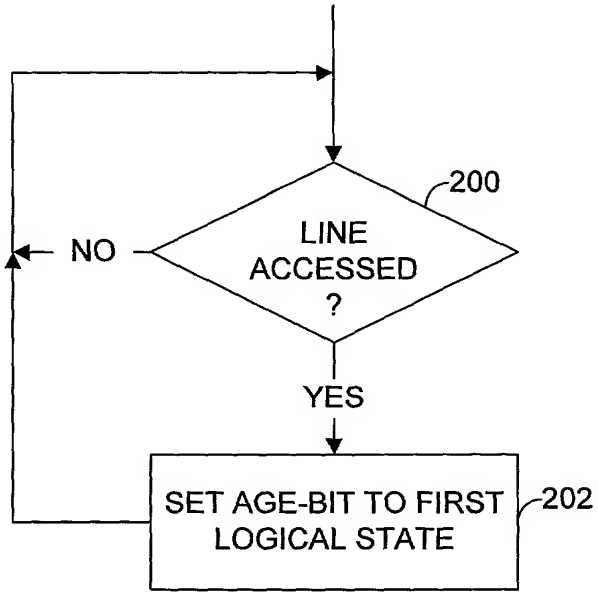

FIG. 2A

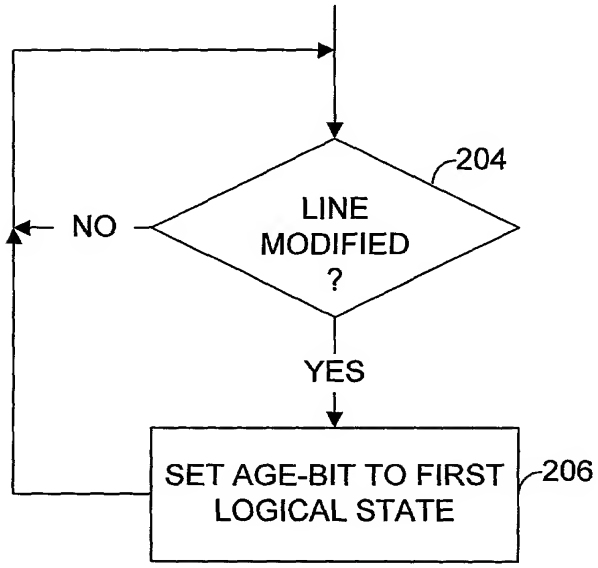

FIG. 2B

Express Mail Label No. EV339955894US

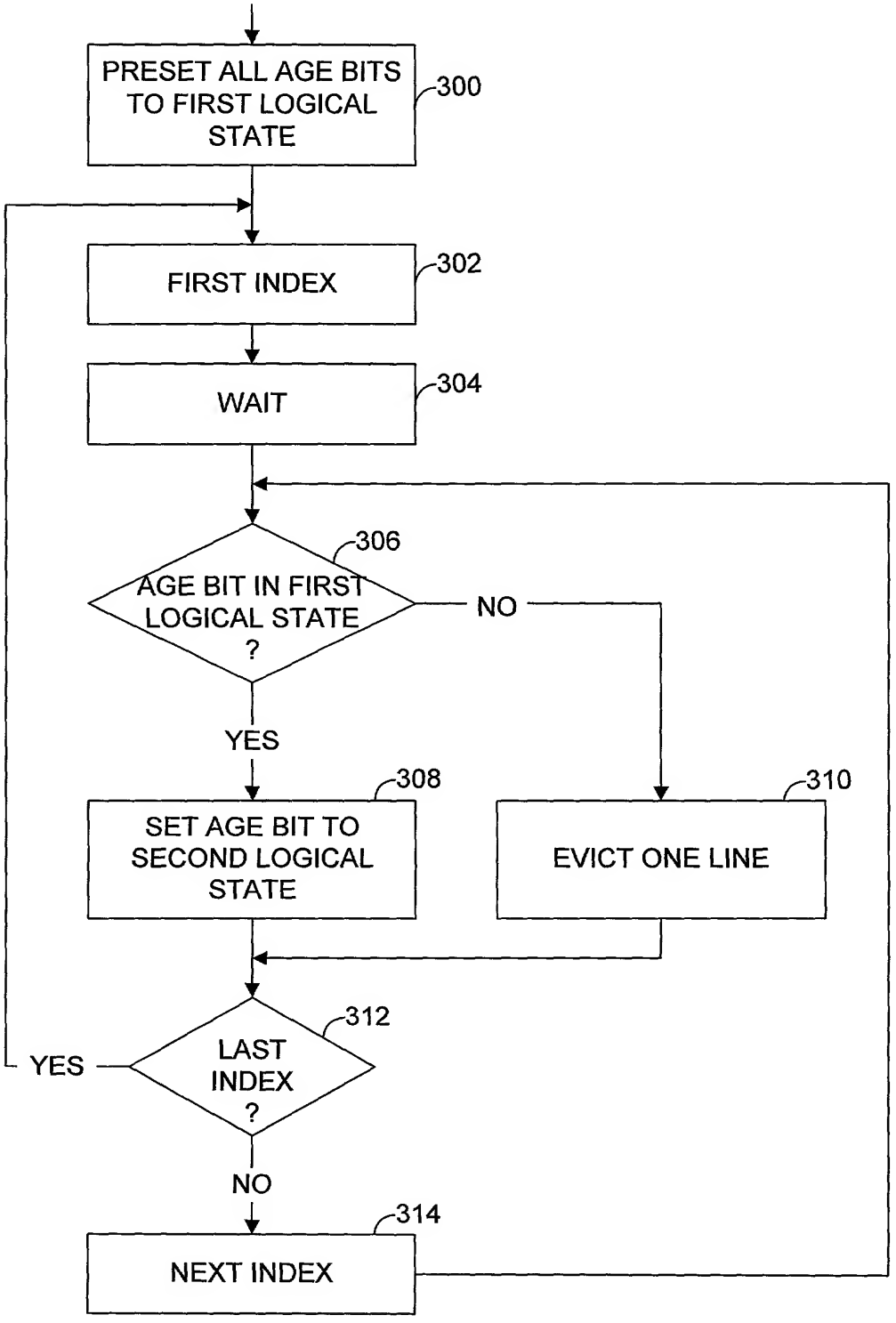
PRESET ALL AGE BITS TO FIRST LOGICAL STATE
300
FIRST INDEX
302
WAIT
304
AGE BIT IN FIRST LOGICAL STATE ?
306
NO
YES
SET AGE BIT TO SECOND LOGICAL STATE
308
EVICT ONE LINE
310
LAST INDEX ?
312
YES
NO
NEXT INDEX
314

FIG. 3